Response Dated: August, 16, 2010 Action Dated: April 14, 2010

REMARKS

Claims 78-92 are pending in this application. By this amendment, claims 78-92 have

been amended and new claims 95-99 have been presented for examination. Moreover, claims 93

and 94 have been canceled. In light of the amendments above and remarks set forth below,

Applicant respectfully submits that each of the pending claims is in immediate condition for

allowance.

As an initial matter, claims 85-89 have been objected to as improperly depending on the

"device" claim 78. These claims have been amended to depend from independent claim 84. As

such, withdrawal of these objections is respectfully requested. Moreover, two claims 88 were

previously submitted. The second claim as 88 has been canceled and resubmitted as new claim 95.

As such, withdrawal of this objection is also respectfully requested.

Claims 78-83 have been rejected under 35 U.S.C. § 101 as being directed to non-

statutory subject matter. Claim 78 has been amended as shown above. Accordingly,

reconsideration and withdrawal of this rejection is respectfully requested.

In addition, previously submitted claims 89 and 90 (the Office Action designated them

as 90 and 91) stand rejected under 35 U.S.C. § 112, first paragraph, as failing to comply with the

written description requirement. These claims have been amended as shown above. Accordingly,

Applicant respectfully requests reconsideration and withdrawal of the rejection based on § 112, first

paragraph.

Furthermore, claims 89-94 (the Office Action designated them as 90-95)stand rejected

under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and

distinctly claim the subject matter which applicant regards as the invention. Applicants have

7

DOCSNY-428189v1

Response Dated: August, 16, 2010 Action Dated: April 14, 2010

amended claims 89-92 and canceled claims 93 and 94 as shown above. Accordingly, Applicant

respectfully requests reconsideration and withdrawal of the rejections based on § 112, second

paragraph.

Finally, previously submitted claims 78-81, 84-87, 90 and 91 stand rejected under 35

U.S.C. § 102(b) as being anticipated by Fischell (U.S. Patent No. 6,459,936). Moreover, claims 78-

81, 84-87, 90 and 91 stand rejected under § 102(b) as being anticipated by Pless (U.S. Patent No.

7,174,213). Finally, claims 81-83, 87-89, 94 and 95 stand rejected under § 103(a) as being

unpatentable over Fischell or Pless.

Independent claim 78 has been amended to recite "a control unit configured to control

the plurality of electrodes to generate the respective bursts of electrical pulses in sequence having a

predetermined time shift between each of the bursts in the sequence . . . wherein the predetermined

time shift is substantially equal to 1/fN, and wherein f is approximately the pathological frequency

and N is the number of the plurality of electrodes." Applicant notes that support for this amendment

can be found at least in paragraphs [0050] and [0051] of the published application (U.S. Pat. Pub.

No. 2006/0212089).

Moreover, this amendment satisfies the requirements of 35 U.S.C. § 112. One of skill in

the art knows that specific diseases each have known pathological frequencies. (See, e.g.,

paragraph [0122] of the published application.) Moreover, the SI unit of frequency is the hertz

defined as once cycle per second. Thus, for a disease such as Parkinson's disease having a

pathological frequency f of approximately 5 (which is known in the medical profession), the time

shift recited in claim 78 will be calculated as 1/5 (i.e., .2 seconds) divided by the number of

8

DOCSNY-428189v1

Response Dated: August, 16, 2010 Action Dated: April 14, 2010

electrodes. As such, independent claim 78 clearly satisfies the definiteness requirement of 35

U.S.C. § 112.

With regard to the prior art, Applicant has thoroughly reviewed both Fischell and Pless,

but has not identified any disclosure or suggestion to base a time shift in a sequence of bursts of

electrical pulses on the pathological frequency of the disease being treated Accordingly, Applicant

respectfully submits that claim 78 along with its dependent claims is patentable over the prior art of

record for at least this reason. Moreover, claim 84 recites similar subject matter as required by

claim 78. As such, claim 84 and its dependent claims is also patentable over the prior art of record.

Finally, Applicant notes that claims 93 and 94 have been canceled. Accordingly, with no issues

remaining regarding the prior art, Applicant respectfully requests the withdrawal of the rejections

based on § 102(b) and § 104(a).

Finally, Applicant notes that claims 95-99 have been added to more fully cover the scope

of the present invention. New claims 95-99 include limitations that are neither disclosed nor

suggested by prior art of record. Favorable consideration and allowance of these claims is therefore

respectfully requested.

In view of the above, Applicant respectfully asserts that each of the presently pending

claims in this application is believed to be in immediate condition for allowance. Accordingly, the

Examiner is respectfully requested to withdraw the outstanding rejection of the claims and to pass

this application to issue.

In the event a fee is required or if any additional fee during the prosecution of this

application is not paid, the Patent Office is authorized to charge the underpayment to Deposit

Account No. 50-2215.

9

DOCSNY-428189v1

Response Dated: August, 16, 2010 Action Dated: April 14, 2010

Dated: August 16, 2010 Respectfully submitted,

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